



03/21/2022

Dear Mr. Yun:

Project Minerva Update Walkthrough

March 2022

A revision of the Area of Review (AoR) has necessitated the update of all associated figures, tables, and text. This document provides a walkthrough of the various updates in the following re-submitted documents:

1. Class VI Permit Application Narrative 40 CFR 146.82(a)

- File name: "A.4.1 C6 Per App Narr CBI - Rev No.4 March 2022"

2. Alternative Post-Injection Site Care and Site Closure Plan 40 CFR 146.93(a)

- File name: "E.4.1 Alternative PISC CBI - Rev No.2 March 2022"

3. Emergency And Remedial Response Plan 40 CFR 146.94(a)

- File name: "E.5.1 ERR CBI – Rev No.2 March 2022"

The latest versions of figures, tables and all other supplementary data have been provided as part of this update. Version information may be found in Tables 1-8 in this document.

Updates to Class VI Permit Application Narrative 40 CFR 146.82(a)

The updated Area of Review necessitated text revisions to the sections listed below **in bold text**. Revised supplementary data are detailed in Tables 1-3.

- 2.2 Local Geology of the Project Minerva Site

 2.2.3 Local Structure

2.2.3.2 Ex. 9 Wells

- 2.4 Hydrogeology

2.4.4 Water Wells and Data Sets

- 3.0 SITE CHARACTERISATION

 3.1 Available Data Set and Basis for Evaluation

 3.1.3 Interpretation and Evaluation Methodology

3.1.3.3 Detailed description of Geostatistical Model Build

3.1.3.4 Detailed description of Reservoir Simulation Model

- 4.0 SITE SUITABILITY

4.2 Model assumptions and conclusion

Additionally, due to updates issued to the Class VI Permit Application Templates in March 2022, the following sections were added:

- 15.2 Optional Additional Project Information [40 CFR 144.4]

15.2.1 Wild and Scenic Rivers Act, 16 U.S.C. 1273 et seq

15.2.2 National Historic Preservation Act of 1966, 16 U.S.C. 470 et seq

15.2.3 Endangered Species Act, 16 U.S.C. 1531 et seq

15.2.4 Coastal Zone Management Act, 16 U.S.C. 1451 et seq

Table 1 – Collated Figures

Collated Figures	Version
Figure 2.1 Geological time scale	Original submission
Figure 2.2a Generalized GOM stratigraphic chart Rev No.3 Sept 2021	NOD Response No. 1 Sept 15 2021
Figure 2.3a Stratigraphic column of the Texas Gulf Coast Rev No.3 Sep	NOD Response No. 1 Sept 15 2021
Figure 2.4 GOM Schematic	Original submission
Figure 2.5 Distribution of Cretaceous and Cenozoic continental margins	Original submission
Figure 2.6 Regional depositional model for the late Oligocene	Original submission
Figure 2.7 Schematic stratigraphic column	Original submission
Figure 2.8 Regional Frio isopach v2	AoR update Mar 2022
Figure 2.9 Regional Frio structure v2	AoR update Mar 2022

Figure 2.9a Regional Mid Frio Structure v2	AoR update Mar 2022
Figure 2.10 Generalized depositional environments of the Hackberry trend	Original submission
Figure 2.11 Paleogeographic reconstruction of Hackberry depositional env	Original submission
Figure 2.12 Regional Anahuac isopach v2	AoR update Mar 2022
Figure 2.13 Regional Anahuac structure v2	AoR update Mar 2022
Figure 2.14 Strat Tertiary and younger interval northern GOM	Original submission
Figure 2.15 Lower Miocene Depositional	Original submission
Figure 2.16 Schematic cross section through eastern TX and southern LA	Original submission
Figure 2.17 Frio Expanded Fault Zone	Original submission
Figure 2.18 Regional cross section index map v2	AoR update Mar 2022
Figure 2.19 Regional Cross Section E-W X v2	AoR update Mar 2022
Figure 2.20 Regional Cross Section N-S X v2	AoR update Mar 2022
Figure 2.21 Stratigraphic section of the Tertiary and younger strata	Original submission
Figure 2.22 AoR Cross Section Index Map v2	AoR update Mar 2022
Figure 2.22 Schematic Cross Section	Original submission
Figure 2.23 AoR NE-SW XSec v2	AoR update Mar 2022
Figure 2.24 AoR NW-S XSec v2	AoR update Mar 2022
Figure 2.26 Miocene overburden isopach v2	AoR update Mar 2022
Figure 2.27 AoR Anahuac structure v2	AoR update Mar 2022
Figure 2.27a Ex. 9 Wells Anahuac Depth Rev No.3 Sept 2021 v2	AoR update Mar 2022
Figure 2.27b Ex. 9 Wells Base Map Rev No.3 Sept 2021 v2	AoR update Mar 2022
Figure 2.28 AoR Anahuac isopach v2	AoR update Mar 2022
Figure 2.28a Ex. 9 Wells Anahuac isopach Rev No.3 Sept 2021 v2	AoR update Mar 2022
Figure 2.29 Big Island Inline 1246 v2	AoR update Mar 2023
Figure 2.30 Big Island Inline 1296 v2	AoR update Mar 2024
Figure 2.31 Big Island Inline 1346 v2	AoR update Mar 2025
Figure 2.32 Big Island Inline 1382 v2	AoR update Mar 2026
Figure 2.33 Big Island Inline 1446 v2	AoR update Mar 2027
Figure 2.34 Big Island Inline 1496 v2	AoR update Mar 2028
Figure 2.35 Big Island Xline 1722 v2	AoR update Mar 2029
Figure 2.36 Big Island Xline 1772 v2	AoR update Mar 2030
Figure 2.37 Big Island Xline 1822 v2	AoR update Mar 2031
Figure 2.38 Big Island Xline 1872 v2	AoR update Mar 2032
Figure 2.39 Big Island Xline 1922 v2	AoR update Mar 2033
Figure 2.40 Black Bayou Inline 1246 v2	AoR update Mar 2034
Figure 2.41 Black Bayou Inline 1296 v2	AoR update Mar 2035
Figure 2.42 Black Bayou Inline 1346 v2	AoR update Mar 2036
Figure 2.43 Black Bayou Inline 1396 v2	AoR update Mar 2037
Figure 2.44 Black Bayou random line v2	AoR update Mar 2038
Figure 2.45 Black Bayou Xline 1572 v2	AoR update Mar 2039
Figure 2.46 Black Bayou Xline 1622 v2	AoR update Mar 2040
Figure 2.47 Black Bayou Xline 1668 v2	AoR update Mar 2041

Figure 2.48 Black Bayou Xline 1688 v2	AoR update Mar 2042
Figure 2.49 Type Log	Original submission
Figure 2.50 AoR Frio structure v2	AoR update Mar 2022
Figure 2.50a Ex. 9 Wells ↗ Frio Depth Rev No.3 Sept 2021 v2	AoR update Mar 2022
Figure 2.51 AoR Top Mid Frio Structure v2	AoR update Mar 2022
Figure 2.51a Ex. 9 Wells ↗ Mid Frio Depth Rev No.3 Sept 2021 v2	AoR update Mar 2022
Figure 2.52 AoR Frio Isopach v2	AoR update Mar 2022
Figure 2.52a Ex. 9 Wells ↗ Frio Thickness Rev No.3 Sept 2021 v2	AoR update Mar 2022
Figure 2.53 Core Sample Map v2	AoR update Mar 2022
Figure 2.54 Texas-Louisiana Regional Frio-Anahuac Isopach	Original submission
Figure 2.54a Ex. 9 Wells ↗ Schematic	Original submission
Figure 2.55 Smith Fault Seal	Original submission
Figure 2.56 Akaso Example	Original submission
Figure 2.57 Cross Fault Pressure	Original submission
Figure 2.58 Ex Flow Restr Meth	Original submission
Figure 2.59 Fault Thr v Frq	Original submission
Figure 2.60 Calc Ind Seismicity	Original submission
Figure 2.61 Seismic Coverage Map v2	AoR update Mar 2022
Figure 2.62 Fault Trans	Original submission
Figure 2.63 Fault Trans 2	AoR update Mar 2022
Figure 2.64 BEG Pilot Ramos	Original submission
Figure 2.65 Max Horz Stress	Original submission
Figure 2.66 Young's Mod Poisson Val	Original submission
Figure 2.67 Reveal Coeff Calc	Original submission
Figure 2.68 USGS Seismic Risk Map	Original submission
Figure 2.69 Listric Fault Ex	Original submission
Figure 2.70 Ex. 9 Wells ↗ Radial Fault	Original submission
Figure 2.71 Seismic Events 186 mile radius	Original submission
Figure 2.72 Seismic Events Sabine Uplift	Original submission
Figure 2.73 Seismicity Map of the State of Louisiana	Original submission
Figure 2.74 Induced Seismicity Pressure Depth	Original submission
Figure 2.75 - Regional Hydrostratigraphic Column	Original submission
Figure 2.76 Regional Cross Section A-A Baker 1986	Original submission
Figure 2.77 LA Groundwater Usage 2015	Original submission
Figure 2.78 Jasper Aquifer Regional 2015	Original submission
Figure 2.79 Evangeline Aquifer Regional 2015	Original submission
Figure 2.80 Chicot Aquifer Regional 2015	Original submission
Figure 2.81 Potentiometric Map Chicot	Original submission
Figure 2.82 Regional Cross Section LA Parish	Original submission
Figure 2.83 Spontaneous Potential Graph	Original submission
Figure 2.84 Resistivity NaCL Graph	Original submission
Figure 2.85 SW-NE X Section Orange Vinton	Original submission

Figure 2.86 SW-NE X Section PH Lake BBayou	Original submission
Figure 2.87 NE-SW X-Section Vinton Domef	Original submission
Figure 2.88 AoR Base USDW structure Rev No.3 Sept 2021 v2	AoR update Mar 2022
Figure 2.89 Water Well Map Minerva v2	AoR update Mar 2022
Figure 2.90a AoR Map v2	AoR update Mar 2022
Figure 2.92 Solubility Reveal PHREEQC	Original submission
Figure 2.93 CO2 Solubility Diamond Reveal	Original submission
Figure 2.94 Hydrocarbon Frio Anahuac Gulf Coast	Original submission
Figure 3.1 Big Island 3D Survey Header PSTM	Original submission
Figure 3.2 Black Bayou 3D Survey Header MIGNR	Original submission
Figure 3.3 Alligator Cove 3D Merge SEGY EBCDIC Header	Original submission
Figure 3.4 Inline and Crossline from Alligator Cove data set v2	AoR update Mar 2022
Figure 3.5 Ex. 9 Wells e Radial Shoot	Original submission
Figure 3.6 Inline and Crossline from the Vinton Dome 3D v2	AoR update Mar 2022
Figure 3.7 Fault trough variation within seismic data v2	AoR update Mar 2022
Figure 3.8 Example of Synthetic Seismogram Well API 17019219190000	Original submission
Figure 3.9 Example of log QC and calibration	Original submission
Figure 3.10 Deterministic wavelet extracted from well 17019219190000	Original submission
Figure 3.11 Well-to-seismic tie v2	AoR update Mar 2022
Figure 3.12 Cross section velocity model	Original submission
Figure 3.13 Schematic Overview Database	Original submission
Figure 3.14 Core Analysis Data	Original submission
Figure 3.15 GCS workflow	Original submission
Figure 3.15a Structural section AoR v2	AoR update Mar 2022
Figure 3.15b Well correlation AoR. Units v2	AoR update Mar 2022
Figure 3.16 Simulation grid Petrel to Reveal v2	AoR update Mar 2022
Figure 3.17 Pressure Plume, CO2 Plume and AoR 30yr	Original submission
Figure 7.1 Typical wellhead side outlet valve arrangement	Original submission
Figure 7.2 Generic injection well schematic	Original submission
Figure 7.3 Proposed injection well path for ½ mile reach	Original submission

Table 2 – Collated Tables

Collated Tables	Version
Table 2.0 Min eff shale poro in GC env Rev No.3 Sept 2021	NOD Response No. 1 Sept 15 2022
Table 2.0a SWC - Frio Fm Rev No.3 2021	NOD Response No. 1 Sept 15 2022
Table 2.0b SWC - Anahuac Fm Rev No.3 Sept 2021	NOD Response No. 1 Sept 15 2022
Table 2.1 Shale Permeabilities	Original submission
Table 2.2 Upper Frio XRD Results Vinton Dome	Original submission
Table 2.3 Pcrit Values	Original submission
Table 2.4 Regional Aquifer Data	Original submission
Table 3.1 Samples Anahuac Frio	Original submission
Table 3.2 Frio Samples	Original submission

Table 3.3 Frio Samples No2	Original submission
Table 7.1 Casing details	Original submission
Table 7.2 Casing design details	Original submission
Table 7.3 Cementing details	Original submission
Table 7.4 CO2 Stream specifications	Original submission
Table 7.5 Injection Rates and Mass	Original submission
Table 7.6 Tubing and packer details	Original submission

Table 3 – Appendices

Folder Path	Figure/Table/Document	Version
APPDX A - Land	BLM vs PLSS Comparison	Original submission
APPDX A - Land	Figure A.1 BLM Map v2	AoR update Mar 2022
APPDX A - Land	Figure A.2 PLSS Map v2	AoR update Mar 2022
APPDX B - Reg Xsec > Reg XSec E-W	1701901856_1798260	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701901858_1798261	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701901898_2406872	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701901997_2404235	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701902068_1798440	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701902630_1798652	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	17019203070000	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701920672_2355824	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701920907_1799601	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701921559_2316026	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701921861_2318092	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701921876_1800770	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701921881_1800779	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	17019218930000	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701921919_2318517	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	1701922052_2907837	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	17023000980000	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	4236130821_1943074	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	4236130843_7253375	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	4236130881_5765695	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	4236130945_10831820	Original submission
APPDX B - Reg Xsec > Reg XSec E-W	Figure 2.19 Regional Cross Section E-W X v2	AoR update Mar 2022
APPDX B - Reg XSec	Reg XSec FmTops MD	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701900022_1796424	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701900254_1796606	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701900255_1796607	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701901908_1798315	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	17019019770000	Original submission

APPDX B - Reg Xsec > Reg XSec N-S	1701902064_DEFAULT1	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701902090_DEFAULT1	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	17019202380000	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701920419_DEFAULT4	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701920730_DEFAULT2	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	17019207670000	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701921681_1800463	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701921845_2317979	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701921861_2318092	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701921866_2318107	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701921881_1800779	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701921902_DEFAULT4	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701921919_2318517	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1701922052_2907837	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	17023019950000	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1702302363_2294171	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1702320072_4934097	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1702320448_2366542	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	17023218180000	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	17023218990000	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	1702322939_2906454	Original submission
APPDX B - Reg Xsec > Reg XSec N-S	Figure 2.20 Regional Cross Section N-S X v2	AoR update Mar 2022
APPDX C - AoR Data > AoR Well Loc Data	Wellbore Directional Surveys AoR v2	AoR update Mar 2022
APPDX C - AoR Data > AoR Well Loc Data	Wellbore_Trajectories_AoR_v2	AoR update Mar 2022
APPDX C - AoR Data > AoR Well Loc Data	Wells_Bottom_Location_AoR_v2	AoR update Mar 2022
APPDX C - AoR Data > AoR Well Loc Data	Wells_Surface_Location_AoR_v2	AoR update Mar 2022
APPDX C - AoR Data > AoR Well Logs	1701902045_4926985f	Original submission
APPDX C - AoR Data > AoR Well Logs	1701902090_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701902091_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701902092_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701902401_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920349_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920350_DEFAULT2	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920351_DEFAULT2	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920356_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920376_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920553_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920576_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701920940_DEFAULT2	Original submission
APPDX C - AoR Data > AoR Well Logs	1701921861_2318092	Original submission
APPDX C - AoR Data > AoR Well Logs	1701921881_1800779	Original submission
APPDX C - AoR Data > AoR Well Logs	17019218930000	Original submission

APPDX C - AoR Data > AoR Well Logs	1701921919_2318517	Original submission
APPDX C - AoR Data > AoR Well Logs	1701922052_2907837	Original submission
APPDX C - AoR Data > AoR Well Logs	1701922063_DEFAULT3	Original submission
APPDX C - AoR Data > AoR Well Logs	1701922095_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701922122_DEFAULT1	Original submission
APPDX C - AoR Data > AoR Well Logs	1701922143_DEFAULT1	Original submission
APPDX C - AoR Data > AoR XSec NE-SW	1701901966_2407106	Original submission
APPDX C - AoR Data > AoR XSec NE-SW	1701920573_DEFAULT1	Original submission
APPDX C - AoR Data > AoR XSec NE-SW	1701921861_2318092	Original submission
APPDX C - AoR Data > AoR XSec NE-SW	4236130626_1132417	Original submission
APPDX C - AoR Data > AoR XSec NW-S	1701901997_2404235	Original submission
APPDX C - AoR Data > AoR XSec NW-S	1701902630_1798652	Original submission
APPDX C - AoR Data > AoR XSec NW-S	1701921861_2318092	Original submission
APPDX C - AoR Data > AoR XSec NW-S	1702320448_2366542	Original submission
APPDX C - AoR Data > FmTops AoR and Xsec	FmTops MD v2	AoR update Mar 2022
APPDX C - AoR Data > FmTops AoR and Xsec	FmTops TVDSS v2	AoR update Mar 2022
APPDX C - AoR Data	Table A.3 - AP's O and G v2	AoR update Mar 2022
APPDX D - Reg Seis	Table A.1 Seismic Events	Original submission
APPDX E - Water Wells	Table A.2 - Water Wells AoR 5-mile Buffer v2	AoR update Mar 2022
APPDX F - USDW XSec	1701901896_4926879	Original submission
APPDX F - USDW XSec	1701901896_7506489	Original submission
APPDX F - USDW XSec	1701901896_7506494	Original submission
APPDX F - USDW XSec	1701901972_4926915	Original submission
APPDX F - USDW XSec	1701901972_4926916	Original submission
APPDX F - USDW XSec	1701901990_4926926	Original submission
APPDX F - USDW XSec	1701901997_4926928	Original submission
APPDX F - USDW XSec	1701901997_7503831	Original submission
APPDX F - USDW XSec	1701902009_4926940	Original submission
APPDX F - USDW XSec	1701902009_4926941	Original submission
APPDX F - USDW XSec	1701902009_7497700	Original submission
APPDX F - USDW XSec	1701902009_7497701	Original submission
APPDX F - USDW XSec	1701902061_4927006	Original submission
APPDX F - USDW XSec	1701902061_7497981	Original submission
APPDX F - USDW XSec	1702300001_4931497	Original submission
APPDX F - USDW XSec	1702300001_7352069	Original submission
APPDX F - USDW XSec	1702321001_4935193	Original submission
APPDX F - USDW XSec	1702321001_7467622	Original submission

Updates to Alternative Post-Injection Site Care and Site Closure Plan 40 CFR 146.93(a)

All figures and tables have been removed from the main report document and collated in separate PDF's. In order to avoid duplicative reporting, the document has been updated to include relevant cross-references to other submissions made within the GSRT.

The updated Area of Review necessitated text revisions to the sections listed below **in bold text**. Revised supplementary data are detailed in Tables 4-5.

- **2.0 Pre- and Post-Injection Pressure Differential [40 CFR 146.93(a)(2)(i)]**
- **2.1 Predicted Position of the CO₂ Plume and Associated Pressure Front at Site Closure [40 CFR 146.93(a)(2)(ii)]**
- 4.0 Alternative Post-Injection Site Care Timeframe [40 CFR 146.93(c)]
 - 4.2 Predicted Rate of Plume Migration – 40 CFR 146.93(c)(1)(iii)**
 - 4.4 Confining Zone Characterization – 40 CFR 146.93(c)(1)(vii)
 - 4.4.1 Modelling the Anahuac Formation in the Simulation Model**

Table 4 – Collated Figures

Collated Figures	Version
Figure 2.0-1 Injection Well Pressures at Top Perf vs Time v2	AoR update Mar 2022
Figure 2.0-2_Peak_injection_pressures (end of injection) v2	AoR update Mar 2022
Figure 2.1-1 Pressure Plume, CO ₂ Plume and AoR 2050 Map v2	AoR update Mar 2022
Figure 2.1-2 CO ₂ Plume 2050 - 2055 Map v2	AoR update Mar 2022
Figure 2.1-3 AoR 2050 - 2055 Map v2	AoR update Mar 2022
Figure 2.1-4 Pressure Plume 2050 - 2055 Map v2	AoR update Mar 2022
Figure 2.1-5_Size_of_Plumes_vs_Time v2	AoR update Mar 2022
Figure 2.1-6_Speed_of_Growth_Size_of_Plumes_vs_Time v2	AoR update Mar 2022
Figure 4.1-1 Pressure Plume 2025 - 2055 Map v2	AoR update Mar 2022
Figure 4.1-2 AoR 2025 - 2055 Map v2	AoR update Mar 2022
Figure 4.1-3 CO ₂ Plume 2025 - 2055 Map v2	AoR update Mar 2022
Figure 4.3-1 Mass_Balance_of_Injected_CO ₂ v2	AoR update Mar 2022

Table 5 – Collated Tables

Collated Tables	Version
Table_2.0-1_Injection_well_initial_pressures v2	AoR update Mar 2022
Table_2.0-2_Peak_pressures_for_injection_wells v2	AoR update Mar 2022

Updates to Emergency and Remedial Response Plan 40 CFR 146.94(a)

All figures and tables have been removed from the main report document and collated in separate PDF's. In order to avoid duplicative reporting, the document has been updated to include relevant cross-references to other submissions made within the GSDT. Revised supplementary data are detailed in Tables 6-8.

Table 6 – Collated Figures

Collated Figures	Version
Figure 3.0-1 Infrastructure within AoR v2	AoR update Mar 2022

Table 7 – Collated Tables

Collated Tables	Version
Table 4.0-1 Seismic monitoring system	Original submission
Table 4.0-2 Degrees of risk for emergency events	Original submission
Table 5.0-1 Contact Info for key authorities	Original submission

Table 8 – Appendices

Documents		Version
APPDX A	Attachment A	Original submission